

Customer No.: 31561
Application No.: 10/065,343
Docket No.: 9527-US-PA

In The Specification

[0025] The DC plug 218 comprises an electrical connecting part 218a, an insulating part 218b and a stress-buffer structure 218c. The electrical connecting part 218a mates with the DC connector port 214, and the insulating part 218b and the stress-buffer part 218c partially cover the electrical connecting part 218a. A slot 220 is further externally defined on the insulating part 218b. When the DC plug 218 is inserted in the DC connector port 214, a rim of the opening 210 of the casing 208 engages by fitting with the slot 220 of the insulating part 218a to prevent a unintentional separation of the DC plug 218 from the DC connector port 214 while allowing a relative rotation there between. Furthermore, the association of the stress-buffer structure 218c with the snap fit connection of the DC plug 218 substantially relieves wire winding-induced mechanical stresses such as wire torsions and/or internal tensions at the connecting zone between the DC plug 218 and the casing 202.

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